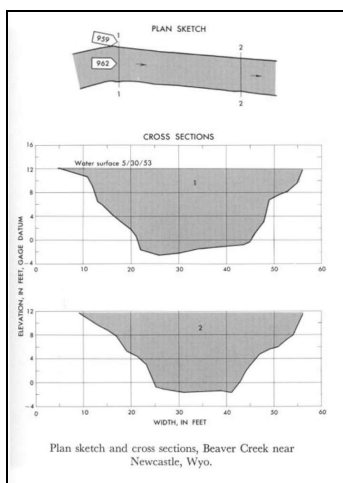


Beaver Creek near Newcastle, Wyo



Study Reach.--Section 1 is about 300 ft downstream from gage.

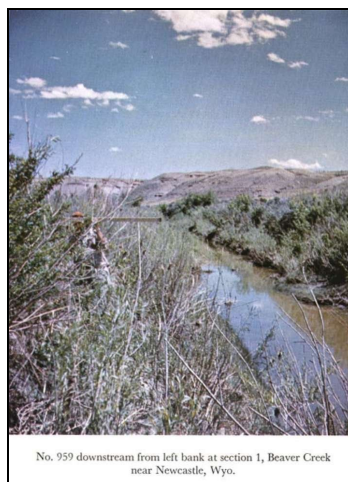
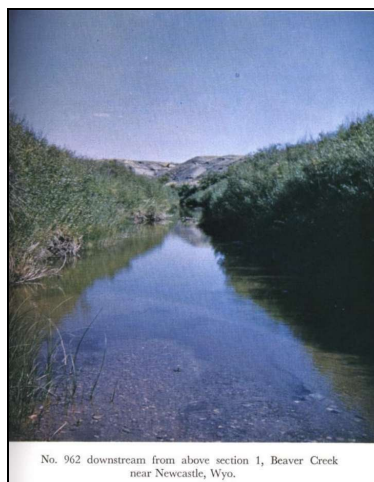
Gage Location.--Lat 43°32'05", long 104°07'00", in NW1/4 sec.18, T.41N., R.60W., at highway bridge, 2.5 miles down stream from Sheep Creek, and 23 miles south of Newcastle.

Drainage Area.--1,320 sq mi., approximately.

Gage Datum and Elevations of Reference Points.--Not available.

Stage, Discharge Measurements and Computed n-Values.--Gage height were 12.75 ft at gage; 11.98 ft at section 1. Peak discharge was 1,600 cfs on May 30, 1953.

Date of Observation	Discharge (ft ³ /s)	Average Cross Section Area (ft ²)	Hydraulic Radius (ft)	Mean Velocity (ft/s)	Slope	Coefficient of Roughness <i>n</i>
5/30/1953	1615.0	425.0	6.94	3.80	0.001237	0.043



Description of Channel.--Bed is mostly sand and silt. Banks are irregular and have thick growth of brush. Channel curves about 20° to the right above the reach and straightens below it.

Floods.--

Estimated n-Values using Cowan's Approach.--

Key words.--